
NOTES

A NEW SPECIES AND
COMBINATION IN
THELYPTERIS FOR GUYANA

Thelypteris* (subg. *Goniopteris*) *schomburgkii

A. R. Smith, sp. nov. TYPE: Guyana: Essequibo, *Schomburgk 135* (holotype, K; isotype, K). Figure 1.

A *T. nephrodioides* (Klotzsch) Proctor pilis longioribus interdum acicularibus secus axes abaxialiter, indusio parvo inconspicuo, et venis late anastomosantibus infra sinum differt.

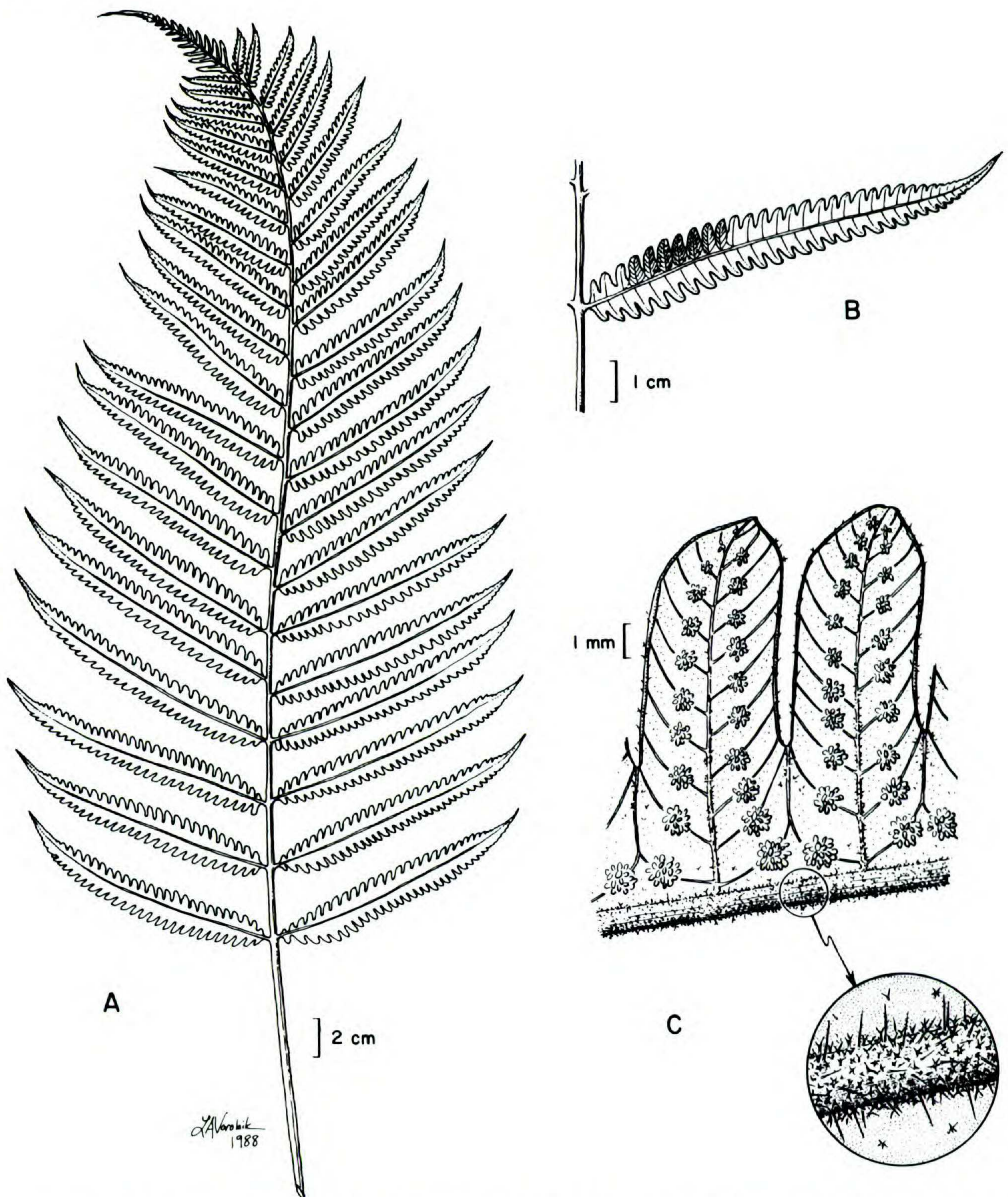


FIGURE 1. *Thelypteris schomburgkii*, based on the type and isotype.—A. Lamina and distal portion of stipe.—B. Pinna.—C. Segments, showing venation and indument, with detail of hairs.

Rhizome unknown. Fronds 60–70 cm long; lamina with a gradually reduced, confluent, pinnatifid apex, with 17–20 pairs of lateral pinnae, these to 15×2.2 cm, incised ca. $\frac{1}{2}$ – $\frac{2}{3}$ their width, truncate at base and with basal segments of larger pinnae reduced half or more; rachis buds lacking; segments rounded to truncate at the tip, with up to 14 pairs of veins, proximal pair of veins from adjacent segments uniting at an acute or obtuse angle with an excurrent vein to sinus; rachis, costae, and costules abaxially with dense, stellate, furcate, and acicular hairs intermixed, these 0.1–0.5 mm long, unbranched hairs the longest, branched hairs short-stalked; laminar tissue on both sides with sessile, appressed, stellate hairs, not verrucose. Sori inframedial, with a small, setose or furcate-hairy indusium.

Known only from the type collection, at low elevation.

This is probably most closely related to *T. nephrodioides* (Klotzsch) Proctor, but differs by having lighter green lamina, small inconspicuous indusium

(large and persistent in *T. nephrodioides*), longer hairs along the axes abaxially (with many acicular unbranched hairs in addition to the stalked-stellate ones), and veins that are anastomosing at a broadly acute to obtuse angle below the sinus with an excurrent vein to the sinus. In this last character, *T. schomburgkii* comes closer to *T. biolleyi* (Christ) Proctor, which differs in having some long anchor-shaped hairs on the costae abaxially and in having obtusely united veins below the sinus.

Thelypteris (subg. *Goniopteris*) ***gonophora*** (Weath.) A. R. Smith, comb. nov. *Dryopteris gonophora* Weath. in A. C. Smith et al., *Lloydia* 2: 164, fig. 1(1–3). 1939. TYPE: Guyana: western extremity of Kanuku Mts. in drainage of Takutu River, A. C. Smith 3283 (holotype, GH not seen, photo GH)

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